

# SQSS Panel

Thursday 03 September  
2020

WebEx



## WebEx details

Meeting link (copy into web browser):  
<https://uknationalgrid.webex.com/uknationalgrid/j.php?MTID=md2cd5c626ffbaeaebe6fdf7c347ceaa3>

## Audio connection:

**Telephone:** 020 7108 6317

**Access code:** 130 288 1064

**Password:** 9qCV3iBMJB5



# WELCOME



nationalgrid**ESO**

# Introductions & Apologies for absence

- **Apologies**

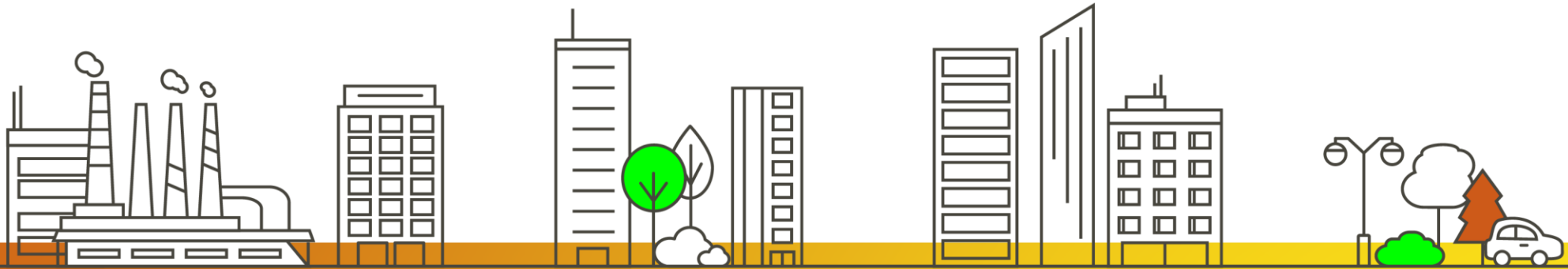
- Shazia Akhtar
- Simon Lord

- **Alternates**

- Bill Reed

# Approval of Panel Minutes

Approval of Panel Minutes from the  
Meeting held 27 April 2020





# Actions Log

## Review of the actions log



# Authority Decisions



## Decisions Received since last Panel meeting

None

## Decisions Pending

GSR025      Updating the SQSS to reflect the recent modification to Engineering Recommendation P28

# Draft Final Modification Reports

**GSR026 - Adding Non-Standard Voltages to the SQSS**

**Jennifer Groome, National Grid ESO - Panel Chair**

# GSR026 Background

A previous modification (GSR021) to include 220kV assets into the SQSS was rejected by Ofgem in July 2016. This was for the following reasons:

- There were concerns regarding the original proposal having only considered the addition of 220kV as a nominal voltage and did not cover future technological advancements or subsequent new voltage rates.
- The original proposal was also not detailed enough to differentiate how both on and offshore voltages were reported in chapter 6 and chapter 10 of the SQSS.

This modification now seeks to expand the SQSS to clarify the requirements that will be placed on equipment at non-standard voltages. For reference, currently 400kV, 275kV and 132kV are voltages typically referred to within the SQSS. This means that any other nominal voltage specifications and requirements are not defined in code.

The proposed changes to the SQSS should ensure that current and future voltages within the transmission network have clear specification and performance requirements. By including specifications for voltages in such a way that will enable consistency for both the Grid Code and the SQSS.

The same solution will be applied to Grid Code via GC0142.



# GSR026 Code Administrator Consultation

The Code Administrator Consultation was issued on 27 July 2020 with a closing date of 24 August 2020.

2 responses were received from the following industry parties:

- National Grid ESO
- Northern Power Grid

## **On whether or not the Original better facilitates the SQSS Objectives than the Existing Baseline.**

The respondents were supportive of the Original solution and that the changes provide additional clarity for Users connected to parts of the transmission system operating at other than a current standard GB voltage. Therefore, it would allow the clear application of the SQSS to equipment that may be connected in the future at novel voltages.

# GSR026 Code Administrator Consultation Responses

Standard Industry Consultation questions		
1	Do you believe that GSR026 better facilitates the appropriate SQSS objectives?	Yes- I believe that GSR026 better facilitates the appropriate SQSS objectives, specifically in relation to (i) to maintaining a coordinated system of electricity transmission, (ii) ensuring the levels of security and quality and supply are safe to operate the system, (iv) to support facilitation of electricity Transmission Licenses to comply with their obligations.
2	Do you support the proposed implementation approach?	Yes
3	Do you have any other comments?	Yes. GSR026 also helps to support alignment across the Grid Code and EU codes requirements.

# GSR026 Code Administrator Consultation Responses

## Standard Industry Consultation questions

1	Do you believe that GSR026 better facilitates the appropriate SQSS objectives?	Yes, the changes provide additional clarity for Users connected to parts of the transmission system operating at other than a current standard GB voltage.
2	Do you support the proposed implementation approach?	Yes. The implementation should align with the implementation of the changes proposed in GC0142.
3	Do you have any other comments?	In table 6.4, '132kV' should be '132kV and above' to cater for provision of a connection to a Distribution Network or Non-Embedded Customer operating at a nominal voltage above 132kV. See extract from the proposed legal text below.

# GC0142 - Code Administrator Consultation – Legal Text

Table 6.4: Steady State Voltage Limits and Targets in Operational Timescales

(a) Voltage Limits on Transmission Networks			
Nominal Voltage	PU Value (1 pu relates to the Nominal Voltage)	Minimum (percentage of Nominal Voltage)	Maximum (percentage of Nominal Voltage)
Greater than 300kV	0.90 pu-1.05 pu	-10%	+5% Note 7
200kV up to and Including 300kV	0.90 pu-1.09 pu	-10%	+ 9%
132kV up to and including 200kV	0.90 pu-1.10pu	-10%	+ 10%
(b) Voltages to be Achievable at Interfaces to Distribution Networks and Non-Embedded Customers			
Nominal Voltage			
132kV	0.90 pu- 1.10 pu	-10%	+ 10%
At Less than 132kV	0.94 pu-1.06 pu	-6%	+6%

## Notes

7. May be relaxed to ~~+110%~~ for no longer than 15 minutes following a secured event.



- Do Panel consider the amendments to be “typographical”?

Yes → Instruct Code Administrator to make changes to legal text and proceed with vote

No → Instruct Code Administrator to make changes to legal text and re-issue Code Administrator Consultation

- **Ask of Panel:** Recommendation Vote
- Final Modification Report to be issued
- Timetable below:

Stage gate	Date
Final Modification Report submitted to Authority for decision	14 Sept 2020
Anticipated Decision from Authority (25 working days)	19 Oct 2020
Implementation date	10 working days after Ofgem decision

# Workgroup Updates

**GSR027: Review of the NETS SQSS Criteria for Frequency Control that drive reserve, response and inertia holding on the GB electricity system**

# Timeline for GSR027

Milestone	Date	Milestone	Date
Workgroup Nominations (15 working days)	29 April 2020 to 21 May 2020	Panel sign off that Workgroup Report has met its Terms of Reference	21 October 2020
Workgroup 1 (Introductions, understand the Modification and proposed solution and confirmation on Terms of Reference)	8 July 2020	Code Administrator Consultation (10 Working Days)	23 October 2020 to 6 November 2020
Workgroup 2 (Develop details of solution - a) housed where? b) review draft methodology and c) review proposed changes to SQSS legal text)	28 July 2020 (9.30 -12.30)	Draft Final Modification Report (DFMR) issued to Panel (5 Working Days)	10 November 2020
Workgroup 3	4 September 2020 (9.30 - 12.30)	Panel undertake DFMR recommendation vote	18 November 2020
Workgroup 4	11 September 2020	Final Modification Report issued to Panel to check votes recorded correctly (1 Working Day)	19 November 2020
Workgroup Consultation (10 working days)	16 September to 30 September 2020	Final Modification Report issued to Ofgem	23 November 2020
Workgroup 5 - Assess Workgroup Consultation Responses and agree legal text	7 October 2020	Ofgem decision	TBC
Workgroup 6 – Workgroup Vote	8 October 2020	Implementation Date	TBC
Workgroup report issued to Panel	13 October 2020		



# Code Administrator improvements

- Modification Proposal Templates
- SQSS implementation emails

# New proposal forms



Recent new report format well received



Next step is to update Proposal forms in-line with new format



Old form led to repetition and was difficult to understand how to populate it



In-line with recent discussions at CACoP forum



We will continue Code Administrator Critical Friend checks with the new form

## New proposal forms – next steps



Gather feedback from Panels



Start using new forms from September / October – dependent on level of feedback received



Gather feedback from new proposers on usability of forms



Incorporate any feedback into templates

# SQSS implementation emails

- We received feedback that the timings for SQSS implementations are unclear
- So, we have updated our Implementation email template with an explanation of the timescales



# Previous

## Authority Decision

The Authority approved **GCSR024: National Grid Legal Separation SQSS Changes** on 2 January 2019 with an implementation date to be confirmed. The revised Security and Quality of Supply Standards will be available as of the date of implementation on the following web page:

<https://www.nationalgrideso.com/codes/security-and-quality-supply-standards/modifications/gsr024-national-grid-legal-separation>

# New

Today **GSRXXX** has been **approved** by the Authority.

**Changes to the SQSS require a change to the Transmission Licence** which is administered by Ofgem, who also consult on all changes to the Licence. This process can take up to 6 months so an implementation date is yet to be confirmed.

We will be in touch in due course to advise when an implementation date is known.

# Standing Items/ impacts from other work

- Chapter 7: Guidance document  
**Bieshoy Awad**
- BEIS Engineering Standard Workshop –  
SQSS impacts/discussions  
**Rob Wilson**
- Review of Modification Register  
**Jennifer Groome**

The background features several abstract, flowing yellow lines. In the top left, there are several curved lines that sweep upwards and to the right. In the bottom left, there are more curved lines that sweep downwards and to the right. On the right side, there are three parallel diagonal lines sloping upwards from left to right. A horizontal line runs across the bottom of the slide, with a small step-up on the right side.

**AOB**

# Date of next meeting

**Wednesday 18 November 2020**

**Modification Submission date – 03 November**

**Panel Papers Day – 10 November 2020**



# Close

